ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Nuclear Instruments and Methods in Physics Research A 558 (2006) 587–597

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A

www.elsevier.com/locate/nima

Author index

Abe, K., see Ohuchi, H. . . . 558 (2006) 576
Abouelouafa, E.M., see Aubert, B. . . . 558 (2006) 388
Abrahamyan, K., J. Bähr, J.P. Carneiro, K. Flöttmann, J.H. Han, M.v. Hartrott, M. Krasilnikov, D. Lipka, V. Miltchev, A. Oppelt, B. Petrossyan, D. Pose, D. Richter, S. Schreiber, L. Staykov and F. Stephan, Experimental characterization and numerical simulations of the electron source at PITZ. . . . 558 (2006) 249
Abramowicz, H., see Galea, R. . . . 558 (2006) 225
Ackermann, W. and T. Weiland, Flexible implementation of the Ensemble Model with arbitrary order of moments . . . 558 (2006) 274
Albrand, S., see Aubert, B. . . . 558 (2006) 388
Aleksa, M., see Aubert, B. . . . 558 (2006) 388
Alforque, R., see Aubert, B. . . . 558 (2006) 388
Andreev, A.A., see Miyazaki, S. . . . 558 (2006) 265
Andrianov, S.N., N.S. Edamenko and A.A. Dyatlov, Algebraic modeling and parallel computing . . . 558 (2006) 150
Andronic, A., H. Appelshäuser, R. Bailhache, C. Baumann, P. Braun-Munzinger, D. Bucher, O. Busch, V. Cătănescu, S. Chernenko, P. Christakoglou, O. Fateev, S. Freuen, C. Garabatos, H. Gottschlag, T. Gunji, H. Hamagaki, N. Herrmann, M. Hoppe, V. Lindenstruth, C. Lippmann, Y. Morino, Yu. Panebratsev, A. Petridis, M. Petrovici, I. Rusanov, A. Sandoval, S. Saito, R. Schicker, H.K. Soltveit, J. Stachel, H. Stelzer, M. Vassiliou, B. Vulpescu, J.P. Wessels, A. Wilk, V. Yurevich and Yu. Zanevsky, Transition radiation spectra of electrons from 1 to 10 GeV/c in regular and irregular radiators. . . . 558 (2006) 516
Appelshäuser, H., see Andronic, A. . . . 558 (2006) 516
Artuso, M., C. Boulahouache, S. Blusk, J. Butt, O. Dorjkhaidav, N. Menaa, R. Mountain, H. Muramatsu, R. Nandakumar, K. Randrianarivony, R. Sia, T. Skwarnicki, S. Stone, J.C. Wang and K. Zhang, Performance of a C_4F_8O gas radiator ring imaging Cherenkov detector using multi-anode photomultiplier tubes. . . . 558 (2006) 373
Astesan, F., see Aubert, B. . . . 558 (2006) 388
Aubert, B., B. Beaugiraud, J. Colas, P. Delebecque, L. Di Ciaccio, M. El Kacimi, P. Ghez, C. Girard, M. Gouanère, D. Goujdami, A. Jeremie, S. Jézéquel, R. Lafaye, N. Massol, P. Perrodo, H. Przysiezniak, G. Sauvage, J. Thion, I. Wingerter-Seez, R. Zitoun, Y. Zolnierowski, R. Alforque, H. Chen, J. Farrell, H. Gordon, R. Grandinetti, R. Hackenburg, A. Hoffmann, J. Kierstead, J. Koehler, F. Lanni, D. Lissauer, H. Ma, D. Makowiecki, T. Muller, S. Norton, V. Radeka, D. Rahm, M. Rehak, S. Rajagopalan, S. Rescia, K. Sexton, J. Sondericker, I. Stumer, H. Takai, A. Belymam, D. Benchekroun, C. Driouichi, A. Hoummada, M. Hakimi, M. Knee, R. Stroynowski, B. Wakeland, V. Datskov, V. Drobin, M. Aleksa, J. Bremer, T. Carli, M. Chalifour, J.L. Chevalley, F. Djama, L. Ema, C. Fabre, P. Fassnacht, F. Gianotti, A. Gonidec, J.B. Hansen, L. Hervas, T. Hott, C. Lacaste, C.P. Marin, P. Pailler, A. Pleskatch, D. Sauvage, G. Vandoni, V. Vuillemin, H. Wilkens, S. Albrand, B. Belhorma, J. Collot, P. de Saintignon, D. Dzahini, A. Ferrari, J. Fulachier, M.L. Gallin-Martel, J.Y. Hostachy, G. Laborie, F. Ledroit-Guillon, P. Martin, J.F. Muraz, F. Ohlsson-Malek, S. Saboumazrag, S. Viret, R. Othegraven, C. Zeitnitz, D. Banfi, L. Carminati, D. Cavalli, M. Citterio, G. Costa, M. Delmastro, M. Fanti, L. Mandelli, M. Mazzanti, F. Tartarelli, E. Augé, S. Baffioni, J. Bonis, W. Bonivento, C. Bourdarios, C. De la Taille, L. Fayard, D. Fournier, G. Guilhem, P. Imbert, L. Iconomidou-Fayard, G. Le Meur, M. Mencik, J.-M. Noppe, G. Parrour, P. Puzo, D. Rousseau, A.-C. Schaffer, N. Seguin-Moreau, L. Serin, G. Unal, J.-J. Veillet, F. Wicek, D. Zerwas, F. Astesan, W. Bertoli, B. Canton, F. Fleuret, D. Imbault, D. Lacour, B. Laforge, P. Schwemling, E.M. Abouelouafa, A. Ben Mansour, R. Cherkaoui, Y. El Mouahhidi, H. Ghazlane, A. Idrissi, K. Bazizi, D. England, V. Glebov, T. Haelen, F. Lobkowicz, P. Slattery, J. Belorgey, N. Besson, M. Boonekamp, D. Durand, J. Ernwein, B. Mansoulié, F. Molinié, J.P. Meyer, P. Perrin, J. Schwindling, J.P. Taguet, H. Zaccone, B. Lund-Jensen, S. Rydström, Y. Tayalati, B. Botchev, G. Finocchiaro, J. Hoffman, R.L. McCarthy, M. Rijssenbeek, J. Steffens, M. Zdrazil and H.M. Braun, Construction, assembly and tests of the ATLAS electromagnetic barrel calorimeter . . . 558 (2006) 388
Augé, E., see Aubert, B. . . . 558 (2006) 388
Auslender, V.L., see Tiunov, M.A. . . . 558 (2006) 77

Baffioni, S., see Aubert, B. . . . 558 (2006) 388
Bähr, J., see Abrahamyan, K. . . . 558 (2006) 249
Bailhache, R., see Andronic, A. . . . 558 (2006) 516
Baldock, C., see Mo, L. . . . 558 (2006) 490
Balk, M.C., R. Schuhmann and T. Weiland, Open boundaries for particle beams within fit-simulations. . . . 558 (2006) 54
Banfi, D., see Aubert, B. . . . 558 (2006) 388
Barannikova, O., see Shao, M. . . . 558 (2006) 419

doi:10.1016/S0168-9002(06)00354-8

Barth, W., see Yaramyshev, S. . . . 558 (2006) 90
Bartram, R.H., L.A. Kappers, D.S. Hamilton, A. Lempicki, C. Brecher, J. Glodo, V. Gaysinskiy and E.E. Ovechkina, Suppression of afterglow in CsI:Tl by codoping with Eu^{2+}—II: Theoretical model . . . 558 (2006) 458
Bartram, R.H., see Brecher, C. . . . 558 (2006) 450
Bassi, G., see Warnock, R. . . . 558 (2006) 85
Baturin, A.S., A.I. Trufanov, N.N. Chadaev and E.P. Sheshin, Field emission gun for X-ray tubes . . . 558 (2006) 253
Baturin, A.S., see Bormashov, V.S. . . . 558 (2006) 256
Baumann, C., see Andronic, A. . . . 558 (2006) 516
Bazizi, K., see Aubert, B. . . . 558 (2006) 388
Beaugiraud, B., see Aubert, B. . . . 558 (2006) 388
Becker, R. and R.A. Jameson, Emittance growth as mesh artefact . . . 558 (2006) 32
Becker, R. and R.A. Jameson, Simulation of RF-focusing in the RFQ matching section by IGUN© . . . 558 (2006) 205
Becker, U., see Doetinchem, Ph.v. . . . 558 (2006) 526
Becker, U., see Spachmann, H. . . . 558 (2006) 50
Becks, K.-H., see Dima, M.-O. . . . 558 (2006) 554
Belhorma, B., see Aubert, B. . . . 558 (2006) 388
Belorgey, J., see Aubert, B. . . . 558 (2006) 388
Belymam, A., see Aubert, B. . . . 558 (2006) 388
Benchekroun, D., see Aubert, B. . . . 558 (2006) 388
Ben-Haim, N., see Shalem, C.K. . . . 558 (2006) 468
Ben Mansour, A., see Aubert, B. . . . 558 (2006) 388
Berg, J.S., Computational needs for muon accelerators . . . 558 (2006) 20
Bertoli, W., see Aubert, B. . . . 558 (2006) 388
Berz, M., K. Makino and Y.-K. Kim, Long-term stability of the Tevatron by verified global optimization . . . 558 (2006) 1
Berz, M., see Grote, J. . . . 558 (2006) 106
Berz, M., see Johnstone, C. . . . 558 (2006) 282
Berz, M., see Makino, K. . . . 558 (2006) 346
Berz, M., see Manikonda, S. . . . 558 (2006) 175
Berz, M., see Poklonskiy, A.A. . . . 558 (2006) 135
Berz, M., see Snopok, P. . . . 558 (2006) 142
Besson, N., see Aubert, B. . . . 558 (2006) 388
Blusk, S., see Artuso, M. . . . 558 (2006) 373
Bobyleva, L.V., see Perelstein, E.A. . . . 558 (2006) 131
Bogdanov, A., see Senichev, Yu. . . . 558 (2006) 240
Bonis, J., see Aubert, B. . . . 558 (2006) 388
Bonivento, W., see Aubert, B. . . . 558 (2006) 388
Boonekamp, M., see Aubert, B. . . . 558 (2006) 388
Bormashov, V.S., A.S. Baturin, K.N. Nikolskiy, R.G. Tchesov and E.P. Sheshin, The influence of the ion bombardment on the current stability of field-emission cathodes of carbon nanotubes . . . 558 (2006) 256
Botchev, B., see Aubert, B. . . . 558 (2006) 388
Boulahouache, C., see Artuso, M. . . . 558 (2006) 373
Bourdarios, C., see Aubert, B. . . . 558 (2006) 388
Brandenburg, S., see Toprek, D. . . . 558 (2006) 247
Braun, H.M., see Aubert, B. . . . 558 (2006) 388
Braun-Munzinger, P., see Andronic, A. . . . 558 (2006) 516
Brecher, C., A. Lempicki, S.R. Miller, J. Glodo, E.E. Ovechkina, V. Gaysinskiy, V.V. Nagarkar and R.H. Bartram, Suppression of afterglow in CsI:Tl by codoping with Eu^{2+}—I: Experimental . . . 558 (2006) 450
Brecher, C., see Bartram, R.H. . . . 558 (2006) 458
Bremer, J., see Aubert, B. . . . 558 (2006) 388
Breskin, A., see Shalem, C. . . . 558 (2006) 475
Breskin, A., see Shalem, C.K. . . . 558 (2006) 468
Brunetti, R., E. Calligarich, M. Cambiaghi, C. De Vecchi, R. Dolfini, A. Menegolli, M. Prata, M.C. Prata, G.L. Raselli, M. Rossella and C. Vignoli, Study of electron avalanche multiplication in gaseous argon detectors at low pressure and operating at cryogenic temperature . . . 558 (2006) 511
Bucher, D., see Andronic, A. . . . 558 (2006) 516
Budtov, A.A., V.A. Gruzdev, V.I. Petrov, Y.A. Svistunov and G.V. Marinin, Accuracy of the manufacture of electrodes for a 433 MHz RFQ . . . 558 (2006) 210
Bulanov, S.V., see Terranova, F. . . . 558 (2006) 430
Burger, J., see Doetinchem, Ph.v. . . . 558 (2006) 526
Busch, O., see Andronic, A. . . . 558 (2006) 516
Butt, J., see Artuso, M. . . . 558 (2006) 373

Cai, Y., see Kabel, A. . . . 558 (2006) 163
Cai, Y., see Yan, Y.T. . . . 558 (2006) 336
Caldwell, A., see Galea, R. . . . 558 (2006) 225
Calligarich, E., see Brunetti, R. . . . 558 (2006) 511

Cambiaghi, M., see Brunetti, R. 558 (2006) 511
Candel, A.E., M.M. Dehler and M. Troyer, A massively parallel particle-in-cell code for the simulation of field-emitter based electron sources 558 (2006) 154
Canton, B., see Aubert, B. 558 (2006) 388
Carli, T., see Aubert, B. 558 (2006) 388
Carminati, L., see Aubert, B. 558 (2006) 388
Carneiro, J.P., see Abrahamyan, K. 558 (2006) 249
Cassette, P., see Mo, L. 558 (2006) 490
Cătănescu, V., see Andronic, A. 558 (2006) 516
Cavalli, D., see Aubert, B. 558 (2006) 388
Chadaev, N.N., see Baturin, A.S. 558 (2006) 253
Chalifour, M., see Aubert, B. 558 (2006) 388
Chang, P., S.Y. Lee and Y.T. Yan, A differential algebraic integration algorithm for symplectic mappings in systems with three-dimensional magnetic field 558 (2006) 66
Chechik, R., see Shalem, C. 558 (2006) 475
Chechik, R., see Shalem, C.K. 558 (2006) 468
Chen, H., see Aubert, B. 558 (2006) 388
Cherkaoui, R., see Aubert, B. 558 (2006) 388
Chernenko, S., see Andronic, A. 558 (2006) 516
Chevalley, J.L., see Aubert, B. 558 (2006) 388
Christakoglou, P., see Andronic, A. 558 (2006) 516
Citterio, M., see Aubert, B. 558 (2006) 388
Colas, J., see Aubert, B. 558 (2006) 388
Collier, J.L., see Terranova, F. 558 (2006) 430
Collot, J., see Aubert, B. 558 (2006) 388
Costa, G., see Aubert, B. 558 (2006) 388
Craievich, P., T. Weiland and I. Zagorodnov, The short-range wakefields in the BTW accelerating structure of the ELETTRA LINAC 558 (2006) 58
Cubitt, R., H.M. Shimizu, K. Ikeda and N. Torikai, Refraction as a means of encoding wavelength for neutron reflectometry . . 558 (2006) 547

Datskov, V., see Aubert, B. 558 (2006) 388
Dehler, M.M., see Candel, A.E. 558 (2006) 154
De la Taille, C., see Aubert, B. 558 (2006) 388
Delebecque, P., see Aubert, B. 558 (2006) 388
Delmastro, M., see Aubert, B. 558 (2006) 388
Dendooven, P., S. Purushothaman and K. Gloos, On a cryogenic noble gas ion catcher 558 (2006) 580
de Saintignon, P., see Aubert, B. 558 (2006) 388
De Vecchi, C., see Brunetti, R. 558 (2006) 511
Di Ciaccio, L., see Aubert, B. 558 (2006) 388
Dima, M.-O. and K.-H. Becks, Digital-noise reduction with on-chip/module inductors 558 (2006) 554
Djama, F., see Aubert, B. 558 (2006) 388
Doetinchem, Ph.v., S. Fopp, W. Karpinski, Th. Kirn, K. Lübelsmeyer, J. Orboeck, S. Schael, A. Schultz von Dratzig, G. Schwering, Th. Siedenburg, R. Siedling, W. Wallraff, U. Becker, J. Burger, R. Henning, A. Kounine, V. Koutsenko and J. Wyatt, Performance of the AMS-02 transition radiation detector 558 (2006) 526
Dohlus, M., see Kabel, A. 558 (2006) 163
Dolfini, R., see Brunetti, R. 558 (2006) 511
Dong, X., see Shao, M. 558 (2006) 419
Dorjkhaidav, O., see Artuso, M. 558 (2006) 373
Dovbnya, A.N., V.I. Nikiforov and V.L. Uvarov, Modeling and optimization of electron linac exit systems for nuclear technologies 558 (2006) 199
Driouichi, C., see Aubert, B. 558 (2006) 388
Drivotin, O.I. and D.A. Ovsyannikov, Modeling of self-consistent distributions for longitudinally non-uniform beams 558 (2006) 112
Drobin, V., see Aubert, B. 558 (2006) 388
Durand, D., see Aubert, B. 558 (2006) 388
Durkin, A.P., see Ovsyannikov, D.A. 558 (2006) 11
Dyatlov, A.A., see Andrianov, S.N. 558 (2006) 150
Dzahini, D., see Aubert, B. 558 (2006) 388
Dzergatch, A.I., V.A. Kuzmin and S.V. Vinogradov, Dynamics of charged particles in optical traps 558 (2006) 277

Edamenko, N.S., see Andrianov, S.N. 558 (2006) 150
El Kacimi, M., see Aubert, B. 558 (2006) 388
Elliott, S.R., V.M. Gehman, K. Kazkaz, D.-M. Mei and A.R. Young, Pulse shape analysis in segmented detectors as a technique for background reduction in Ge double-beta decay experiments 558 (2006) 504
Ellison, J.A., see Warnock, R. 558 (2006) 85
El Mouahhidi, Y., see Aubert, B. 558 (2006) 388
Ema, L., see Aubert, B. 558 (2006) 388
England, D., see Aubert, B. 558 (2006) 388

Ernwein, J., see Aubert, B. 558 (2006) 388
Esin, S.K., A.V. Feschenko, O.T. Frolov, E.S. Nikulin and V.P. Yakushev, MMFL H^+ and H^- injectors: Computational studies 558 (2006) 220

Fabre, C., see Aubert, B. 558 (2006) 388
Fadin, A.I., The buncher optimization for the biperiodic accelerating structure with the high-frequency focusing 558 (2006) 280
Fan, X., D.J. Parker and M.D. Smith, Enhancing ^{18}F uptake in a single particle for positron emission particle tracking through modification of solid surface chemistry 558 (2006) 542
Fanti, M., see Aubert, B. 558 (2006) 388
Farrell, J., see Aubert, B. 558 (2006) 388
Fassnacht, P., see Aubert, B. 558 (2006) 388
Fateev, O., see Andronic, A. 558 (2006) 516
Fayard, L., see Aubert, B. 558 (2006) 388
Ferrari, A., see Aubert, B. 558 (2006) 388
Feschenko, A.V., see Esin, S.K. 558 (2006) 220
Finocchiaro, G., see Aubert, B. 558 (2006) 388
Fischer, W., see Qiang, J. 558 (2006) 351
Fisyak, Y., see Shao, M. 558 (2006) 419
Fleuret, F., see Aubert, B. 558 (2006) 388
Flöttmann, K., see Abrahamyan, K. 558 (2006) 249
Folwell, N., see Li, Z. 558 (2006) 168
Folwell, N., see Ng, C.-K. 558 (2006) 192
Fopp, S., see Doetinchem, Ph.v. 558 (2006) 526
Formanoy, I., see Toprek, D. 558 (2006) 147
Formanoy, I., see Toprek, D. 558 (2006) 247
Fournier, D., see Aubert, B. 558 (2006) 388
Freuen, S., see Andronic, A. 558 (2006) 516
Frolov, O.T., see Esin, S.K. 558 (2006) 220
Fulachier, J., see Aubert, B. 558 (2006) 388
Furman, M.A., see Qiang, J. 558 (2006) 351

Galea, R., A. Caldwell, S. Schlenstedt and H. Abramowicz, Simulation of low energy muon frictional cooling 558 (2006) 225
Gallin-Martel, M.L., see Aubert, B. 558 (2006) 388
Garabatos, C., see Andronic, A. 558 (2006) 516
Gaysinskiy, V., see Bartram, R.H. 558 (2006) 458
Gaysinskiy, V., see Brecher, C. 558 (2006) 450
Ge, L., see Li, Z. 558 (2006) 168
Gehman, V.M., see Elliott, S.R. 558 (2006) 504
Ghazlane, H., see Aubert, B. 558 (2006) 388
Ghez, P., see Aubert, B. 558 (2006) 388
Gianotti, F., see Aubert, B. 558 (2006) 388
Girard, C., see Aubert, B. 558 (2006) 388
Gjonaj, E., see Wolfheimer, F. 558 (2006) 202
Glebov, V., see Aubert, B. 558 (2006) 388
Glodo, J., see Bartram, R.H. 558 (2006) 458
Glodo, J., see Brecher, C. 558 (2006) 450
Gloos, K., see Dendooven, P. 558 (2006) 580
Golub, Y.Y., New vortices in axisymmetric beams in an inhomogeneous magnetic field 558 (2006) 119
Gonidec, A., see Aubert, B. 558 (2006) 388
Gordon, H., see Aubert, B. 558 (2006) 388
Gottschlag, H., see Andronic, A. 558 (2006) 516
Gouanère, M., see Aubert, B. 558 (2006) 388
Goujdami, D., see Aubert, B. 558 (2006) 388
Grandinetti, R., see Aubert, B. 558 (2006) 388
Griffin, H.C., see Wong, E.L. 558 (2006) 441
Groening, L., see Yaramyshev, S. 558 (2006) 90
Grote, J., M. Berz and K. Makino, High-order representation of Poincaré maps 558 (2006) 106
Gruzdev, V.A., see Budtov, A.A. 558 (2006) 210
Guetz, A., see Li, Z. 558 (2006) 168
Guetz, A., see Ng, C.-K. 558 (2006) 192
Guilhem, G., see Aubert, B. 558 (2006) 388
Gunji, T., see Andronic, A. 558 (2006) 516
Gutnic, M., M. Haefele and E. Sonnendrücker, Moments conservation in adaptive Vlasov solver 558 (2006) 159

Hackenburg, R., see Aubert, B. 558 (2006) 388
Haefele, M., see Gutnic, M. 558 (2006) 159

Haelen, T., see Aubert, B. . . . 558 (2006) 388
Hakimi, M., see Aubert, B. . . . 558 (2006) 388
Hamagaki, H., see Andronic, A. . . . 558 (2006) 516
Hamilton, D.S., see Bartram, R.H. . . . 558 (2006) 458
Han, J.H., see Abrahamyan, K. . . . 558 (2006) 249
Hansen, J.B., see Aubert, B. . . . 558 (2006) 388
Harrison, M.J., see Kargar, A. . . . 558 (2006) 497
Hartrott, M.v., see Abrahamyan, K. . . . 558 (2006) 249
Henning, R., see Doetinchem, Ph.v. . . . 558 (2006) 526
Herrmann, N., see Andronic, A. . . . 558 (2006) 516
Hervas, L., see Aubert, B. . . . 558 (2006) 388
Hoenen, O., see Mehrenberger, M. . . . 558 (2006) 188
Hoffman, J., see Aubert, B. . . . 558 (2006) 388
Hoffmann, A., see Aubert, B. . . . 558 (2006) 388
Hoppe, M., see Andronic, A. . . . 558 (2006) 516
Horioka, K., see Kikuchi, T. . . . 558 (2006) 122
Hoshino, A., K. Shinozaki, Y. Ishisaki and T. Mihara, Improved PID method of temperature control for adiabatic demagnetization refrigerators . . . 558 (2006) 536
Hostachy, J.Y., see Aubert, B. . . . 558 (2006) 388
Hott, T., see Aubert, B. . . . 558 (2006) 388
Hoummada, A., see Aubert, B. . . . 558 (2006) 388

Iconomidou-Fayard, L., see Aubert, B. . . . 558 (2006) 388
Idrissi, A., see Aubert, B. . . . 558 (2006) 388
Ikeda, K., see Cubitt, R. . . . 558 (2006) 547
Imbault, D., see Aubert, B. . . . 558 (2006) 388
Imbert, P., see Aubert, B. . . . 558 (2006) 388
Ishisaki, Y., see Hoshino, A. . . . 558 (2006) 536
Ivanov, A.V., V.M. Panasyuk, V.V. Parkhomchuk, V.B. Reva and M.A. Tiunov, Simulation of electron beam dynamics in a high-energy electron cooler . . . 558 (2006) 227
Ivanov, A.V., see Tiunov, M.A. . . . 558 (2006) 77
Ivanov, V., see Li, Z. . . . 558 (2006) 168
Ivanov, V., see Ng, C.-K. . . . 558 (2006) 192

Jameson, R.A., see Becker, R. . . . 558 (2006) 205
Jameson, R.A., see Becker, R. . . . 558 (2006) 32
Jeremie, A., see Aubert, B. . . . 558 (2006) 388
Jézéquel, S., see Aubert, B. . . . 558 (2006) 388
Johnstone, C., M. Berz and K. Makino, Staging acceleration and cooling in a Neutrino Factory . . . 558 (2006) 282
Johnstone, C., see Snopok, P. . . . 558 (2006) 142
Johnstone, C.J., see Poklonskiy, A.A. . . . 558 (2006) 135
Jones, A.M., see Kargar, A. . . . 558 (2006) 497

Kabel, A., Y. Cai, M. Dohlus, T. Sen and R. Uplenchwar, Applications of parallel computational methods to charged-particle beam dynamics . . . 558 (2006) 163
Kanareykin, A.D. and A.V. Tyukhtin, Analysis of multimode wakefield generation in accelerating structures with conductive dielectric loading . . . 558 (2006) 62
Kappers, L.A., see Bartram, R.H. . . . 558 (2006) 458
Kargar, A., A.M. Jones, W.J. McNeil, M.J. Harrison and D.S. McGregor, CdZnTe Frisch collar detectors for γ-ray spectroscopy 558 (2006) 497
Karliner, M.M., see Tiunov, M.A. . . . 558 (2006) 77
Karpinski, W., see Doetinchem, Ph.v. . . . 558 (2006) 526
Katayama, T., see Kikuchi, T. . . . 558 (2006) 122
Katayama, T., see Meshkov, I. . . . 558 (2006) 303
Kawata, S., see Kikuchi, T. . . . 558 (2006) 122
Kawata, S., see Miyazaki, S. . . . 558 (2006) 260
Kawata, S., see Miyazaki, S. . . . 558 (2006) 265
Kazkaz, K., see Elliott, S.R. . . . 558 (2006) 504
Kierstead, J., see Aubert, B. . . . 558 (2006) 388
Kikuchi, T., T. Someya, S. Kawata, M. Nakajima, K. Horioka and T. Katayama, Beam dynamics simulation during final bunching and transport for heavy ion inertial fusion . . . 558 (2006) 122
Kikuchi, T., see Miyazaki, S. . . . 558 (2006) 260
Kikuchi, T., see Miyazaki, S. . . . 558 (2006) 265
Kim, Y.-K., see Berz, M. . . . 558 (2006) 1
Kiriyama, H., see Terranova, F. . . . 558 (2006) 430
Kirn, Th., see Doetinchem, Ph.v. . . . 558 (2006) 526
Knee, M., see Aubert, B. . . . 558 (2006) 388

Ko, K., see Li, Z. . . . 558 (2006) 168
Ko, K., see Ng, C.-K. . . . 558 (2006) 192
Koehler, J., see Aubert, B. . . . 558 (2006) 388
Kolomiets, A., see Yaramyshev, S. . . . 558 (2006) 90
Köpke, L., see Neunhöffer, T. . . . 558 (2006) 561
Kotina, E.D., Discrete optimization problem in beam dynamics . . . 558 (2006) 292
Kounine, A., see Doetinchem, Ph.v. . . . 558 (2006) 526
Koutsenko, V., see Doetinchem, Ph.v. . . . 558 (2006) 526
Kowalski, M., see Li, Z. . . . 558 (2006) 168
Kozynchenko, S.A. and Yu.A. Svistunov, Application of field and dynamics code to LEBT optimization . . . 558 (2006) 295
Krasilnikov, M., Space charge algorithm for the multi ensemble model . . . 558 (2006) 69
Krasilnikov, M., see Abrahamyan, K. . . . 558 (2006) 249
Kuzmin, V.A., see Dzergatch, A.I. . . . 558 (2006) 277
Kuznetsov, G.I., see Tiunov, M.A. . . . 558 (2006) 77
Kvardakov, V. and E. Levichev, Canonical harmonic tracking of charged particles in circular accelerators . . . 558 (2006) 36

Laborie, G., see Aubert, B. . . . 558 (2006) 388
Lacaste, C., see Aubert, B. . . . 558 (2006) 388
Lacour, D., see Aubert, B. . . . 558 (2006) 388
Lafaye, R., see Aubert, B. . . . 558 (2006) 388
Laforge, B., see Aubert, B. . . . 558 (2006) 388
Lanni, F., see Aubert, B. . . . 558 (2006) 388
Lebedev, V., V. Nagaslaev, A. Valishev and V. Sajaev, Measurement and correction of linear optics and coupling at tevatron complex . . . 558 (2006) 299
Ledroit-Guillon, F., see Aubert, B. . . . 558 (2006) 388
Lee, L.-Q., see Li, Z. . . . 558 (2006) 168
Lee, L.-Q., see Ng, C.-K. . . . 558 (2006) 192
Lee, S.Y., see Chang, P. . . . 558 (2006) 66
Le Meur, G., see Aubert, B. . . . 558 (2006) 388
Lempicki, A., see Bartram, R.H. . . . 558 (2006) 458
Lempicki, A., see Brecher, C. . . . 558 (2006) 450
Levichev, E., see Kvardakov, V. . . . 558 (2006) 36
Li, Z., N. Folwell, L. Ge, A. Guetz, V. Ivanov, M. Kowalski, L.-Q. Lee, C.-K. Ng, G. Schussman, L. Stingelin, R. Uplenchwar, M. Wolf, L. Xiao and K. Ko, High-performance computing in accelerating structure design and analysis . . . 558 (2006) 168
Li, Z., see Ng, C.-K. . . . 558 (2006) 192
Lindenstruth, V., see Andronic, A. . . . 558 (2006) 516
Lipka, D., see Abrahamyan, K. . . . 558 (2006) 249
Lippmann, C., see Andronic, A. . . . 558 (2006) 516
Lissauer, D., see Aubert, B. . . . 558 (2006) 388
Lobkowicz, F., see Aubert, B. . . . 558 (2006) 388
Logatchov, P., K. Lotov and A. Petrenko, Simulations of the experiment on efficient plasma wakefield acceleration . . . 558 (2006) 314
Lotov, K., see Logatchov, P. . . . 558 (2006) 314
Lübelsmeyer, K., see Doetinchem, Ph.v. . . . 558 (2006) 526
Lund-Jensen, B., see Aubert, B. . . . 558 (2006) 388

Ma, H., see Aubert, B. . . . 558 (2006) 388
Maier, R., see Senichev, Yu. . . . 558 (2006) 240
Maier, R., see Vasyukhin, N. . . . 558 (2006) 333
Makarov, I.G., see Tiunov, M.A. . . . 558 (2006) 77
Makino, K. and M. Berz, COSY INFINITY Version 9 . . . 558 (2006) 346
Makino, K., see Berz, M. . . . 558 (2006) 1
Makino, K., see Grote, J. . . . 558 (2006) 106
Makino, K., see Johnstone, C. . . . 558 (2006) 282
Makino, K., see Poklonskiy, A.A. . . . 558 (2006) 135
Makowiecki, D., see Aubert, B. . . . 558 (2006) 388
Mandelli, L., see Aubert, B. . . . 558 (2006) 388
Manikonda, S. and M. Berz, Multipole expansion solution of the Laplace equation using surface data . . . 558 (2006) 175
Mansoulié, B., see Aubert, B. . . . 558 (2006) 388
Marin, C.P., see Aubert, B. . . . 558 (2006) 388
Marinin, G.V., see Budtov, A.A. . . . 558 (2006) 210
Martin, P., see Aubert, B. . . . 558 (2006) 388
Massol, N., see Aubert, B. . . . 558 (2006) 388
Masunov, E.S. and S.M. Polozov, BEAMDULAC code for numerical simulation of 3D beam dynamics in a high-intensity undulator linac . . . 558 (2006) 184
Matyshev, A.A., A method to derive corpuscular–optics identities as a consequence of the static character of fields . . . 558 (2006) 40
Mazzanti, M., see Aubert, B. . . . 558 (2006) 388

McCarthy, R.L., see Aubert, B. . . . 558 (2006) 388
McGregor, D.S., see Kargar, A. . . . 558 (2006) 497
McNeil, W.J., see Kargar, A. . . . 558 (2006) 497
Mehrenberger, M., E. Violard, O. Hoenen, M.C. Pinto and E. Sonnendrücker, A parallel adaptive Vlasov solver based on hierarchical finite element interpolation . . . 558 (2006) 188
Mei, D.-M., see Elliott, S.R. . . . 558 (2006) 504
Menaa, N., see Artuso, M. . . . 558 (2006) 373
Mencik, M., see Aubert, B. . . . 558 (2006) 388
Menegolli, A., see Brunetti, R. . . . 558 (2006) 511
Meshkov, I., T. Katayama, A. Sidorin, A. Smirnov, E. Syresin, G. Trubnikov and H. Tsutsui, Simulation of crystalline beams in storage rings using molecular dynamics technique . . . 558 (2006) 303
Meshkov, I.N., see Sidorin, A.O. . . . 558 (2006) 325
Meyer, J.P., see Aubert, B. . . . 558 (2006) 388
Michaeli, K., see Shalem, C. . . . 558 (2006) 475
Michaeli, K., see Shalem, C.K. . . . 558 (2006) 468
Miginsky, S.V., An optimizer for high-current beamlines . . . 558 (2006) 127
Mihara, T., see Hoshino, A. . . . 558 (2006) 536
Miller, S.R., see Brecher, C. . . . 558 (2006) 450
Miltchev, V., see Abrahamyan, K. . . . 558 (2006) 249
Mityanina, N.V., Derivation of azimuthal harmonics series for stability analysis of the coherent oscillations of bunched beams . . 558 (2006) 308
Miyauchi, K., see Miyazaki, S. . . . 558 (2006) 260
Miyazaki, S., K. Miyauchi, K. Sakai, T. Kikuchi and S. Kawata, High energy electron bunch generation by using a plasma separator 558 (2006) 260
Miyazaki, S., R. Sonobe, T. Kikuchi, S. Kawata and A.A. Andreev, Suppression of high-energy proton beam divergence in laser–foil interaction . . . 558 (2006) 265
Mo, L., P. Cassette and C. Baldock, The influence of rejection of a fraction of the single photoelectron peak in liquid scintillation counting . . . 558 (2006) 490
Molinié, F., see Aubert, B. . . . 558 (2006) 388
Morino, Y., see Andronic, A. . . . 558 (2006) 516
Mountain, R., see Artuso, M. . . . 558 (2006) 373
Muller, T., see Aubert, B. . . . 558 (2006) 388
Muramatsu, H., see Artuso, M. . . . 558 (2006) 373
Muraz, J.F., see Aubert, B. . . . 558 (2006) 388
Mustapha, B., see Ostroumov, P.N. . . . 558 (2006) 25
Mytrochenko, V.V. and A. Opanasenko, Study of transient self-consistent beam dynamics in RF linacs using a particle tracing code . . . 558 (2006) 235

Nagarkar, V.V., see Brecher, C. . . . 558 (2006) 450
Nagaslaev, V., see Lebedev, V. . . . 558 (2006) 299
Nakajima, M., see Kikuchi, T. . . . 558 (2006) 122
Nandakumar, R., see Artuso, M. . . . 558 (2006) 373
Nazarenko, B.P., V.Yu. Pedash, A.N. Shekhovtsov, V.A. Tarasov and O.V. Zelenskaya, Scintillation characteristics of LiB_3O_5 and β-BaB_2O_4 single crystals . . . 558 (2006) 551
Neuffer, D., see Poklonskiy, A.A. . . . 558 (2006) 135
Neunhöffer, T. and L. Köpke, Searching for localized cosmic particle sources with an unbinned maximum likelihood approach . 558 (2006) 561
Ng, C.-K., N. Folwell, A. Guetz, V. Ivanov, L.-Q. Lee, Z. Li, G. Schussman and K. Ko, Simulating dark current in NLC structures 558 (2006) 192
Ng, C.-K., see Li, Z. . . . 558 (2006) 168
Nikiforov, V.I., see Dovbnya, A.N. . . . 558 (2006) 199
Nikolskiy, K.N., see Bormashov, V.S. . . . 558 (2006) 256
Nikulin, E.S., see Esin, S.K. . . . 558 (2006) 220
Nolen, J.A., see Ostroumov, P.N. . . . 558 (2006) 25
Noppe, J.-M., see Aubert, B. . . . 558 (2006) 388
Norton, S., see Aubert, B. . . . 558 (2006) 388

Ohlsson-Malek, F., see Aubert, B. . . . 558 (2006) 388
Ohmi, K., see Qiang, J. . . . 558 (2006) 351
Ohms, C., see Uca, O. . . . 558 (2006) 367
Ohuchi, H. and K. Abe, An optical common-mode rejection for improving the sensitivity limit of a radiochromic imaging film . . 558 (2006) 576
Opanasenko, A., see Mytrochenko, V.V. . . . 558 (2006) 235
Oppelt, A., see Abrahamyan, K. . . . 558 (2006) 249
Orboeck, J., see Doetinchem, Ph.v. . . . 558 (2006) 526
Ostroumov, P.N., J.A. Nolen and B. Mustapha, Computational needs for the RIA accelerator systems . . . 558 (2006) 25
Othegraven, R., see Aubert, B. . . . 558 (2006) 388
Ovechkina, E.E., see Bartram, R.H. . . . 558 (2006) 458
Ovechkina, E.E., see Brecher, C. . . . 558 (2006) 450
Ovsyannikov, A.D., see Ovsyannikov, D.A. . . . 558 (2006) 11
Ovsyannikov, A.D., see Poklonskiy, A.A. . . . 558 (2006) 135

Ovsyannikov, A.D., see Snopok, P. 558 (2006) 142
Ovsyannikov, D.A., A.D. Ovsyannikov, M.F. Vorogushin, Yu.A. Svistunov and A.P. Durkin, Beam dynamics optimization: Models, methods and applications 558 (2006) 11
Ovsyannikov, D.A., see Drivotin, O.I. 558 (2006) 112
Ovsyannikov, D.A., see Poklonskiy, A.A. 558 (2006) 135
Ovsyannikov, D.A., see Snopok, P. 558 (2006) 142

Pailler, P., see Aubert, B. 558 (2006) 388
Panasyuk, V.M., see Ivanov, A.V. 558 (2006) 227
Panebratsev, Yu., see Andronic, A. 558 (2006) 516
Panfilov, A.D., see Tiunov, M.A. 558 (2006) 77
Papp, Z., An intercomparison between gross α counting and gross β counting for grab-sampling determination of airborne radon progeny and thoron progeny 558 (2006) 569
Parker, D.J., see Fan, X. 558 (2006) 542
Parkhomchuk, V.V., see Ivanov, A.V. 558 (2006) 227
Parrour, G., see Aubert, B. 558 (2006) 388
Parsa, Z. and V. Zadorozhny, Approximation technique for solving the Vlasov–Poisson problem 558 (2006) 311
Pedash, V.Yu., see Nazarenko, B.P. 558 (2006) 551
Pegoraro, F., see Terranova, F. 558 (2006) 430
Perelstein, E.A. and L.V. Bobyleva, Beam dynamics simulations based on the method of moments with polynomial approximation of the charge density 558 (2006) 131
Perepelkin, E.E., see Yudin, I.P. 558 (2006) 340
Perrin, P., see Aubert, B. 558 (2006) 388
Perrodo, P., see Aubert, B. 558 (2006) 388
Petrenko, A., see Logatchov, P. 558 (2006) 314
Petridis, A., see Andronic, A. 558 (2006) 516
Petrossyan, B., see Abrahamyan, K. 558 (2006) 249
Petrov, V.I., see Budtov, A.A. 558 (2006) 210
Petrovici, M., see Andronic, A. 558 (2006) 516
Petrunin, V.I., Mathematical methods of data processing for high-energy introscopic examination of large-scale objects 558 (2006) 196
Pinto, M.C., see Mehrenberger, M. 558 (2006) 188
Pleskatch, A., see Aubert, B. 558 (2006) 388
Poklonskiy, A.A., D. Neuffer, C.J. Johnstone, M. Berz, K. Makino, D.A. Ovsyannikov and A.D. Ovsyannikov, Optimizing the adiabatic buncher and phase-energy rotator for neutrino factories 558 (2006) 135
Polozov, S.M., see Masunov, E.S. 558 (2006) 184
Pöllänen, R., see Siiskonen, T. 558 (2006) 437
Polyakov, A.N., see Tsyganov, Y.S. 558 (2006) 329
Polyakova, R.V., see Yudin, I.P. 558 (2006) 340
Pose, D., see Abrahamyan, K. 558 (2006) 249
Prata, M., see Brunetti, R. 558 (2006) 511
Prata, M.C., see Brunetti, R. 558 (2006) 511
Przysiezniak, H., see Aubert, B. 558 (2006) 388
Purushothaman, S., see Dendooven, P. 558 (2006) 580
Puzo, P., see Aubert, B. 558 (2006) 388

Qiang, J., M.A. Furman, R.D. Ryne, W. Fischer and K. Ohmi, Recent advances of strong–strong beam–beam simulation 558 (2006) 351

Radeka, V., see Aubert, B. 558 (2006) 388
Rahm, D., see Aubert, B. 558 (2006) 388
Rajagopalan, S., see Aubert, B. 558 (2006) 388
Randrianarivony, K., see Artuso, M. 558 (2006) 373
Raselli, G.L., see Brunetti, R. 558 (2006) 511
Rehak, M., see Aubert, B. 558 (2006) 388
Rescia, S., see Aubert, B. 558 (2006) 388
Reva, V.B., see Ivanov, A.V. 558 (2006) 227
Riabov, G.A., V.G. Riabov and M.G. Tverskoy, Application of Monte-Carlo method for design and optimization of beam lines 558 (2006) 44
Riabov, V.G., see Riabov, G.A. 558 (2006) 44
Richter, D., see Abrahamyan, K. 558 (2006) 249
Rijssenbeek, M., see Aubert, B. 558 (2006) 388
Rossella, M., see Brunetti, R. 558 (2006) 511
Rousseau, D., see Aubert, B. 558 (2006) 388
Ruan, L., see Shao, M. 558 (2006) 419
Rusanov, I., see Andronic, A. 558 (2006) 516
Rydström, S., see Aubert, B. 558 (2006) 388
Ryne, R.D., see Qiang, J. 558 (2006) 351

Saboumazrag, S., see Aubert, B. . . . 558 (2006) 388
Sagan, D., Bmad: A relativistic charged particle simulation library . . . 558 (2006) 356
Saito, S., see Andronic, A. . . . 558 (2006) 516
Sajaev, V., see Lebedev, V. . . . 558 (2006) 299
Sakai, K., see Miyazaki, S. . . . 558 (2006) 260
Sandoval, A., see Andronic, A. . . . 558 (2006) 516
Sauvage, D., see Aubert, B. . . . 558 (2006) 388
Sauvage, G., see Aubert, B. . . . 558 (2006) 388
Schael, S., see Doetinchem, Ph.v. . . . 558 (2006) 526
Schaffer, A.-C., see Aubert, B. . . . 558 (2006) 388
Schicker, R., see Andronic, A. . . . 558 (2006) 516
Schlenstedt, S., see Galea, R. . . . 558 (2006) 225
Schmidt, F., Mad-X a worthy successor for MAD8? . . . 558 (2006) 47
Schreiber, S., see Abrahamyan, K. . . . 558 (2006) 249
Schuhmann, R., see Balk, M.C. . . . 558 (2006) 54
Schultz von Dratzig, A., see Doetinchem, Ph.v. . . . 558 (2006) 526
Schussman, G., see Li, Z. . . . 558 (2006) 168
Schussman, G., see Ng, C.-K. . . . 558 (2006) 192
Schwemling, P., see Aubert, B. . . . 558 (2006) 388
Schwering, G., see Doetinchem, Ph.v. . . . 558 (2006) 526
Schwindling, J., see Aubert, B. . . . 558 (2006) 388
Seguin-Moreau, N., see Aubert, B. . . . 558 (2006) 388
Seleznev, I.A., see Sidorin, A.O. . . . 558 (2006) 325
Sen, T., see Kabel, A. . . . 558 (2006) 163
Senichev, Y., see Vasyukhin, N. . . . 558 (2006) 333
Senichev, Yu., A. Bogdanov, R. Maier and N. Vasyukhin, Beam dynamics in super-conducting linear accelerator: Problems and solutions . . . 558 (2006) 240
Serin, L., see Aubert, B. . . . 558 (2006) 388
Sexton, K., see Aubert, B. . . . 558 (2006) 388
Shalem, C., R. Chechik, A. Breskin and K. Michaeli, Advances in Thick GEM-like gaseous electron multipliers—Part I: atmospheric pressure operation . . . 558 (2006) 475
Shalem, C.K., R. Chechik, A. Breskin, K. Michaeli and N. Ben-Haim, Advances in thick GEM-like gaseous electron multipliers Part II: Low-pressure operation . . . 558 (2006) 468
Shao, M., O. Barannikova, X. Dong, Y. Fisyak, L. Ruan, P. Sorensen and Z. Xu, Extensive particle identification with TPC and TOF at the STAR experiment . . . 558 (2006) 419
Shavrina, T.V., see Yudin, I.P. . . . 558 (2006) 340
Shekhovtsov, A.N., see Nazarenko, B.P. . . . 558 (2006) 551
Sheshin, E.P., see Baturin, A.S. . . . 558 (2006) 253
Sheshin, E.P., see Bormashov, V.S. . . . 558 (2006) 256
Shimizu, H.M., see Cubitt, R. . . . 558 (2006) 547
Shinozaki, K., see Hoshino, A. . . . 558 (2006) 536
Shirkov, G., Particle-in-cell method for numerical simulation of beam and plasma dynamics . . . 558 (2006) 317
Shishanin, O.E., Features of electron dynamics at different points of a bending magnet . . . 558 (2006) 74
Sia, R., see Artuso, M. . . . 558 (2006) 373
Sidorin, A., see Meshkov, I. . . . 558 (2006) 303
Sidorin, A.O., I.N. Meshkov, I.A. Seleznev, A.V. Smirnov, E.M. Syresin and G.V. Trubnikov, BETACOOL program for simulation of beam dynamics in storage rings . . . 558 (2006) 325
Siedenburg, Th., see Doetinchem, Ph.v. . . . 558 (2006) 526
Siedling, R., see Doetinchem, Ph.v. . . . 558 (2006) 526
Siiskonen, T. and R. Pöllänen, Alpha–electron and alpha–photon coincidences in high-resolution alpha spectrometry . . . 558 (2006) 437
Skwarnicki, T., see Artuso, M. . . . 558 (2006) 373
Slattery, P., see Aubert, B. . . . 558 (2006) 388
Smirnov, A., see Meshkov, I. . . . 558 (2006) 303
Smirnov, A.V., see Sidorin, A.O. . . . 558 (2006) 325
Smith, M.D., see Fan, X. . . . 558 (2006) 542
Snopok, P., C. Johnstone, M. Berz, D.A. Ovsyannikov and A.D. Ovsyannikov, Study and optimal correction of a systematic skew quadrupole field in the Tevatron . . . 558 (2006) 142
Soltveit, H.K., see Andronic, A. . . . 558 (2006) 516
Someya, T., see Kikuchi, T. . . . 558 (2006) 122
Sondericker, J., see Aubert, B. . . . 558 (2006) 388
Sonnendrücker, E., see Gutnic, M. . . . 558 (2006) 159
Sonnendrücker, E., see Mehrenberger, M. . . . 558 (2006) 188
Sonobe, R., see Miyazaki, S. . . . 558 (2006) 265
Sorensen, P., see Shao, M. . . . 558 (2006) 419
Spachmann, H. and U. Becker, Electron gun simulation with CST PARTICLE STUDIO . . . 558 (2006) 50
Stachel, J., see Andronic, A. . . . 558 (2006) 516

Staykov, L., see Abrahamyan, K. . . . 558 (2006) 249
Steffens, J., see Aubert, B. . . . 558 (2006) 388
Stelzer, H., see Andronic, A. . . . 558 (2006) 516
Stephan, F., see Abrahamyan, K. . . . 558 (2006) 249
Stingelin, L., see Li, Z. . . . 558 (2006) 168
Stone, S., see Artuso, M. . . . 558 (2006) 373
Stroynowski, R., see Aubert, B. . . . 558 (2006) 388
Stumer, I., see Aubert, B. . . . 558 (2006) 388
Svistunov, Y.A., see Budtov, A.A. . . . 558 (2006) 210
Svistunov, Yu.A., see Kozynchenko, S.A. . . . 558 (2006) 295
Svistunov, Yu.A., see Ovsyannikov, D.A. . . . 558 (2006) 11
Syresin, E., see Meshkov, I. . . . 558 (2006) 303
Syresin, E.M., see Sidorin, A.O. . . . 558 (2006) 325

Taguet, J.P., see Aubert, B. . . . 558 (2006) 388
Takai, H., see Aubert, B. . . . 558 (2006) 388
Tarasov, V.A., see Nazarenko, B.P. . . . 558 (2006) 551
Tarnetsky, V.V., see Tiunov, M.A. . . . 558 (2006) 77
Tartarelli, F., see Aubert, B. . . . 558 (2006) 388
Tayalati, Y., see Aubert, B. . . . 558 (2006) 388
Tchesov, R.G., see Bormashov, V.S. . . . 558 (2006) 256
Terranova, F., S.V. Bulanov, J.L. Collier, H. Kiriyama and F. Pegoraro, Enabling pulse compression and proton acceleration in a modular ICF driver for nuclear and particle physics applications . . . 558 (2006) 430
Thion, J., see Aubert, B. . . . 558 (2006) 388
Tiunov, M.A., V.L. Auslender, A.V. Ivanov, M.M. Karliner, G.I. Kuznetsov, I.G. Makarov, A.D. Panfilov and V.V. Tarnetsky, Precision modeling of the internal injection and beam dynamics for a high-power RF accelerator . . . 558 (2006) 77
Tiunov, M.A., see Ivanov, A.V. . . . 558 (2006) 227
Toprek, D. and I. Formanoy, Emittance measurements of low-energy beam line at KVI . . . 558 (2006) 147
Toprek, D., I. Formanoy and S. Brandenburg, Low-energy beam line at KVI . . . 558 (2006) 247
Torikai, N., see Cubitt, R. . . . 558 (2006) 547
Tretyakova, T., see Yaramyshev, S. . . . 558 (2006) 90
Troyer, M., see Candel, A.E. . . . 558 (2006) 154
Trubnikov, G., see Meshkov, I. . . . 558 (2006) 303
Trubnikov, G.V., see Sidorin, A.O. . . . 558 (2006) 325
Trufanov, A.I., see Baturin, A.S. . . . 558 (2006) 253
Tsutsui, H., see Meshkov, I. . . . 558 (2006) 303
Tsyganov, Y.S. and A.N. Polyakov, Computing at the Dubna gas-filled recoil separator . . . 558 (2006) 329
Tverskoy, M.G., see Riabov, G.A. . . . 558 (2006) 44
Tyukhtin, A.V., see Kanareykin, A.D. . . . 558 (2006) 62

Uca, O., C. Ohms and A.G. Youtsos, Flux calculations for the upgrade of the SANS facility at the Petten-reactor. . . . 558 (2006) 367
Unal, G., see Aubert, B. . . . 558 (2006) 388
Uplenchwar, R., see Kabel, A. . . . 558 (2006) 163
Uplenchwar, R., see Li, Z. . . . 558 (2006) 168
Uvarov, V.L., see Dovbnya, A.N. . . . 558 (2006) 199

Valishev, A., see Lebedev, V. . . . 558 (2006) 299
Vandoni, G., see Aubert, B. . . . 558 (2006) 388
Vassiliou, M., see Andronic, A. . . . 558 (2006) 516
Vasyukhin, N., R. Maier and Y. Senichev, The features of high intensity beam dynamics in low energy super-conducting linear accelerator . . . 558 (2006) 333
Vasyukhin, N., see Senichev, Yu. . . . 558 (2006) 240
Veillet, J.-J., see Aubert, B. . . . 558 (2006) 388
Vignoli, C., see Brunetti, R. . . . 558 (2006) 511
Vinogradov, S.V., see Dzergatch, A.I. . . . 558 (2006) 277
Violard, E., see Mehrenberger, M. . . . 558 (2006) 188
Viret, S., see Aubert, B. . . . 558 (2006) 388
Vorogushin, M.F., see Ovsyannikov, D.A. . . . 558 (2006) 11
Vuillemin, V., see Aubert, B. . . . 558 (2006) 388
Vulpescu, B., see Andronic, A. . . . 558 (2006) 516

Wakeland, B., see Aubert, B. . . . 558 (2006) 388
Wallraff, W., see Doetinchem, Ph.v. . . . 558 (2006) 526
Wang, J.C., see Artuso, M. . . . 558 (2006) 373
Warnock, R., G. Bassi and J.A. Ellison, Vlasov treatment of coherent synchrotron radiation from arbitrary planar orbits . . . 558 (2006) 85
Weiland, T., see Ackermann, W. . . . 558 (2006) 274

Weiland, T., see Balk, M.C. . . . 558 (2006) 54
Weiland, T., see Craievich, P. . . . 558 (2006) 58
Weiland, T., see Wolfheimer, F. . . . 558 (2006) 202
Weiland, T., see Zagorodnov, I. . . . 558 (2006) 95
Wessels, J.P., see Andronic, A. . . . 558 (2006) 516
Wicek, F., see Aubert, B. . . . 558 (2006) 388
Wilk, A., see Andronic, A. . . . 558 (2006) 516
Wilkens, H., see Aubert, B. . . . 558 (2006) 388
Wingerter-Seez, I., see Aubert, B. . . . 558 (2006) 388
Wipf, S., Investigations of energy penetration for the 2003 design of the target cell at the Hermes experiment . . . 558 (2006) 214
Wolf, M., see Li, Z. . . . 558 (2006) 168
Wolfheimer, F., E. Gjonaj and T. Weiland, A parallel 3D particle-in-cell code with dynamic load balancing . . . 558 (2006) 202
Wong, E.L. and H.C. Griffin, γ-rays >120 keV emitted in the decay of 23.5-min ^{239}U . . . 558 (2006) 441
Wyatt, J., see Doetinchem, Ph.v. . . . 558 (2006) 526

Xiao, L., see Li, Z. . . . 558 (2006) 168
Xu, Z., see Shao, M. . . . 558 (2006) 419

Yakushev, V.P., see Esin, S.K. . . . 558 (2006) 220
Yan, Y.T. and Y. Cai, Precision PEP-II optics measurement with an SVD-enhanced Least-Square fitting . . . 558 (2006) 336
Yan, Y.T., see Chang, P. . . . 558 (2006) 66
Yaramyshev, S., W. Barth, L. Groening, A. Kolomiets and T. Tretyakova, Development of the versatile multi-particle code DYNAMION . . . 558 (2006) 90
Young, A.R., see Elliott, S.R. . . . 558 (2006) 504
Youtsos, A.G., see Uca, O. . . . 558 (2006) 367
Yudin, I.P., E.E. Perepelkin, R.V. Polyakova and T.V. Shavrina, Computational modeling of magnets for electrophysical setups 558 (2006) 340
Yurevich, V., see Andronic, A. . . . 558 (2006) 516

Zaccone, H., see Aubert, B. . . . 558 (2006) 388
Zadorozhny, V., see Parsa, Z. . . . 558 (2006) 311
Zagorodnov, I. and T. Weiland, TE/TM alternating direction scheme for wake field calculation in 3D . . . 558 (2006) 95
Zagorodnov, I., see Craievich, P. . . . 558 (2006) 58
Zanevsky, Yu., see Andronic, A. . . . 558 (2006) 516
Zdrazil, M., see Aubert, B. . . . 558 (2006) 388
Zeitnitz, C., see Aubert, B. . . . 558 (2006) 388
Zelenskaya, O.V., see Nazarenko, B.P. . . . 558 (2006) 551
Zerwas, D., see Aubert, B. . . . 558 (2006) 388
Zhang, K., see Artuso, M. . . . 558 (2006) 373
Zhukov, V.M., Multi-tip field emission-based electron sources . . . 558 (2006) 271
Ziemann, V., Some thoughts regarding a method to measure the length of femto-second X-ray pulses . . . 558 (2006) 584
Zitoun, R., see Aubert, B. . . . 558 (2006) 388
Zolnierowski, Y., see Aubert, B. . . . 558 (2006) 388
Zuev, Y.V., Precision modeling of grid fields and beam dynamics in a large-aperture accelerator for an electroionization laser. . . 558 (2006) 100

ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Nuclear Instruments and Methods in Physics Research A 558 (2006) 598–602

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A

www.elsevier.com/locate/nima

Subject index

ICAP-2004

Proceedings of the 8th International Computational

Accelerator Physics Conference

St. Petersburg, Russia, June 29–July 2, 2004

Plenary Reports

Long-term stability of the Tevatron by verified global optimization, M. Berz, K. Makino and Y.-K. Kim 558 (2006) 1

Beam dynamics optimization: Models, methods and applications, D.A. Ovsyannikov, A.D. Ovsyannikov, M.F. Vorogushin, Y.A. Svistunov and A.P. Durkin 558 (2006) 11

Section 1. Computational Needs

Computational needs for muon accelerators, J.S. Berg 558 (2006) 20

Computational needs for the RIA accelerator systems, P.N. Ostroumov, J.A. Nolen and B. Mustapha 558 (2006) 25

Section 2. Tracking, Ray Tracing and Map Methods

Emittance growth as mesh artefact, R. Becker and R.A. Jameson 558 (2006) 32

Canonical harmonic tracking of charged particles in circular accelerators, V. Kvardakov and E. Levichev 558 (2006) 36

A method to derive corpuscular–optics identities as a consequence of the static character of fields, A.A. Matyshev 558 (2006) 40

Application of Monte-Carlo method for design and optimization of beam lines, G.A. Riabov, V.G. Riabov and M.G. Tverskoy. 558 (2006) 44

Mad-X a worthy successor for MAD8?, F. Schmidt 558 (2006) 47

Electron gun simulation with CST PARTICLE STUDIO, H. Spachmann and U. Becker 558 (2006) 50

Section 3. Field Computation and Analysis

Open boundaries for particle beams within fit-simulations, M.C. Balk, R. Schuhmann and T. Weiland 558 (2006) 54

The short-range wakefields in the BTW accelerating structure of the ELETTRA LINAC, P. Craievich, T. Weiland and I. Zagorodnov 558 (2006) 58

Analysis of multimode wakefield generation in accelerating structures with conductive dielectric loading, A.D. Kanareykin and A.V. Tyukhtin 558 (2006) 62

Section 4. Precision Modeling of Dynamics and Fields

A differential algebraic integration algorithm for symplectic mappings in systems with three-dimensional magnetic field, P. Chang, S.Y. Lee and Y.T. Yan 558 (2006) 66

Space charge algorithm for the multi ensemble model, M. Krasilnikov 558 (2006) 69

Features of electron dynamics at different points of a bending magnet, O.E. Shishanin 558 (2006) 74

Precision modeling of the internal injection and beam dynamics for a high-power RF accelerator, M.A. Tiunov, V.L. Auslender, A.V. Ivanov, M.M. Karliner, G.I. Kuznetsov, I.G. Makarov, A.D. Panfilov and V.V. Tarnetsky 558 (2006) 77

doi:10.1016/S0168-9002(06)00355-X

Vlasov treatment of coherent synchrotron radiation from arbitrary planar orbits, R. Warnock, G. Bassi and J.A. Ellison 558 (2006) 85

Development of the versatile multi-particle code DYNAMION, S. Yaramyshev, W. Barth, L. Groening, A. Kolomiets and T. Tretyakova 558 (2006) 90

TE/TM alternating direction scheme for wake field calculation in 3D, I. Zagorodnov and T. Weiland 558 (2006) 95

Precision modeling of grid fields and beam dynamics in a large-aperture accelerator for an electroionization laser, Y.V. Zuev . . . 558 (2006) 100

High-order representation of Poincaré maps, J. Grote, M. Berz and K. Makino 558 (2006) 106

Section 5. High Current and High Emittance Beams

Modeling of self-consistent distributions for longitudinally non-uniform beams, O.I. Drivotin and D.A. Ovsyannikov. 558 (2006) 112

New vortices in axisymmetric beams in an inhomogeneous magnetic field, Y.Y. Golub. 558 (2006) 119

Beam dynamics simulation during final bunching and transport for heavy ion inertial fusion, T. Kikuchi, T. Someya, S. Kawata, M. Nakajima, K. Horioka and T. Katayama 558 (2006) 122

An optimizer for high-current beamlines, S.V. Miginsky 558 (2006) 127

Beam dynamics simulations based on the method of moments with polynomial approximation of the charge density, E.A. Perelstein and L.V. Bobyleva 558 (2006) 131

Optimizing the adiabatic buncher and phase-energy rotator for neutrino factories, A.A. Poklonskiy, D. Neuffer, C.J. Johnstone, M. Berz, K. Makino, D.A. Ovsyannikov and A.D. Ovsyannikov 558 (2006) 135

Study and optimal correction of a systematic skew quadrupole field in the Tevatron, P. Snopok, C. Johnstone, M. Berz, D.A. Ovsyannikov and A.D. Ovsyannikov. 558 (2006) 142

Emittance measurements of low-energy beam line at KVI, D. Toprek and I. Formanoy 558 (2006) 147

Section 6. High Performance Computing, Computer Modeling and Visualization

Algebraic modeling and parallel computing, S.N. Andrianov, N.S. Edamenko and A.A. Dyatlov 558 (2006) 150

A massively parallel particle-in-cell code for the simulation of field-emitter based electron sources, A.E. Candel, M.M. Dehler and M. Troyer 558 (2006) 154

Moments conservation in adaptive Vlasov solver, M. Gutnic, M. Haefele and E. Sonnendrücker 558 (2006) 159

Applications of parallel computational methods to charged-particle beam dynamics, A. Kabel, Y. Cai, M. Dohlus, T. Sen and R. Uplenchwar 558 (2006) 163

High-performance computing in accelerating structure design and analysis, Z. Li, N. Folwell, L. Ge, A. Guetz, V. Ivanov, M. Kowalski, L.-Q. Lee, C.-K. Ng, G. Schussman, L. Stingelin, R. Uplenchwar, M. Wolf, L. Xiao and K. Ko 558 (2006) 168

Multipole expansion solution of the Laplace equation using surface data, S. Manikonda and M. Berz. 558 (2006) 175

BEAMDULAC code for numerical simulation of 3D beam dynamics in a high-intensity undulator linac, E.S. Masunov and S.M. Polozov 558 (2006) 184

A parallel adaptive Vlasov solver based on hierarchical finite element interpolation, M. Mehrenberger, E. Violard, O. Hoenen, M.C. Pinto and E. Sonnendrücker. 558 (2006) 188

Simulating dark current in NLC structures, C.-K. Ng, N. Folwell, A. Guetz, V. Ivanov, L.-Q. Lee, Z. Li, G. Schussman and K. Ko 558 (2006) 192

Mathematical methods of data processing for high-energy introscopic examination of large-scale objects, V.I. Petrunin. 558 (2006) 196

Modeling and optimization of electron linac exit systems for nuclear technologies, A.N. Dovbnya, V.I. Nikiforov and V.L. Uvarov 558 (2006) 199

A parallel 3D particle-in-cell code with dynamic load balancing, F. Wolfheimer, E. Gjonaj and T. Weiland. 558 (2006) 202

Section 7. Design of Accelerators and Components

Simulation of RF-focusing in the RFQ matching section by IGUN©, R. Becker and R.A. Jameson 558 (2006) 205

Accuracy of the manufacture of electrodes for a 433 MHz RFQ, A.A. Budtov, V.A. Gruzdev, V.I. Petrov, Y.A. Svistunov and G.V. Marinin 558 (2006) 210

Investigations of energy penetration for the 2003 design of the target cell at the Hermes experiment, S. Wipf. 558 (2006) 214

MMFL H^+ and H^- injectors: Computational studies, S.K. Esin, A.V. Feschenko, O.T. Frolov, E.S. Nikulin and V.P. Yakushev 558 (2006) 220

Simulation of low energy muon frictional cooling, R. Galea, A. Caldwell, S. Schlenstedt and H. Abramowicz 558 (2006) 225

Simulation of electron beam dynamics in a high-energy electron cooler, A.V. Ivanov, V.M. Panasyuk, V.V. Parkhomchuk, V.B. Reva and M.A. Tiunov 558 (2006) 227

Study of transient self-consistent beam dynamics in RF linacs using a particle tracing code, V.V. Mytrochenko and A. Opanasenko 558 (2006) 235

Beam dynamics in super-conducting linear accelerator: Problems and solutions, Yu. Senichev, A. Bogdanov, R. Maier and N. Vasyukhin 558 (2006) 240

Low-energy beam line at KVI, D. Toprek, I. Formanoy and S. Brandenburg 558 (2006) 247

Section 8. Charged Particle Beam Generation

Experimental characterization and numerical simulations of the electron source at PITZ, K. Abrahamyan, J. Bähr, J.P. Carneiro, K. Flöttmann, J.H. Han, M.v. Hartrott, M. Krasilnikov, D. Lipka, V. Miltchev, A. Oppelt, B. Petrossyan, D. Pose, D. Richter, S. Schreiber, L. Staykov and F. Stephan 558 (2006) 249

Field emission gun for X-ray tubes, A.S. Baturin, A.I. Trufanov, N.N. Chadaev and E.P. Sheshin 558 (2006) 253

The influence of the ion bombardment on the current stability of field-emission cathodes of carbon nanotubes, V.S. Bormashov, A.S. Baturin, K.N. Nikolskiy, R.G. Tchesov and E.P. Sheshin 558 (2006) 256

High energy electron bunch generation by using a plasma separator, S. Miyazaki, K. Miyauchi, K. Sakai, T. Kikuchi and S. Kawata 558 (2006) 260

Suppression of high-energy proton beam divergence in laser–foil interaction, S. Miyazaki, R. Sonobe, T. Kikuchi, S. Kawata and A.A. Andreev 558 (2006) 265

Multi-tip field emission-based electron sources, V.M. Zhukov. 558 (2006) 271

Section 9. Beam Dynamics and Optimization

Flexible implementation of the Ensemble Model with arbitrary order of moments, W. Ackermann and T. Weiland 558 (2006) 274

Dynamics of charged particles in optical traps, A.I. Dzergatch, V.A. Kuzmin and S.V. Vinogradov 558 (2006) 277

The buncher optimization for the biperiodic accelerating structure with the high-frequency focusing, A.I. Fadin. 558 (2006) 280

Staging acceleration and cooling in a Neutrino Factory, C. Johnstone, M. Berz and K. Makino 558 (2006) 282

Discrete optimization problem in beam dynamics, E.D. Kotina 558 (2006) 292

Application of field and dynamics code to LEBT optimization, S.A. Kozynchenko and Yu.A. Svistunov. 558 (2006) 295

Measurement and correction of linear optics and coupling at tevatron complex, V. Lebedev, V. Nagaslaev, A. Valishev and V. Sajaev 558 (2006) 299

Simulation of crystalline beams in storage rings using molecular dynamics technique, I. Meshkov, T. Katayama, A. Sidorin, A. Smirnov, E. Syresin, G. Trubnikov and H. Tsutsui. 558 (2006) 303

Derivation of azimuthal harmonics series for stability analysis of the coherent oscillations of bunched beams, N.V. Mityanina . . 558 (2006) 308

Approximation technique for solving the Vlasov–Poisson problem, Z. Parsa and V. Zadorozhny 558 (2006) 311

Simulations of the experiment on efficient plasma wakefield acceleration, P. Logatchov, K. Lotov and A. Petrenko 558 (2006) 314

Particle-in-cell method for numerical simulation of beam and plasma dynamics, G. Shirkov 558 (2006) 317

BETACOOL program for simulation of beam dynamics in storage rings, A.O. Sidorin, I.N. Meshkov, I.A. Seleznev, A.V. Smirnov, E.M. Syresin and G.V. Trubnikov 558 (2006) 325

Computing at the Dubna gas-filled recoil separator, Y.S. Tsyganov and A.N. Polyakov 558 (2006) 329

The features of high intensity beam dynamics in low energy super-conducting linear accelerator, N. Vasyukhin, R. Maier and Y. Senichev 558 (2006) 333

Precision PEP-II optics measurement with an SVD-enhanced Least-Square fitting, Y.T. Yan and Y. Cai 558 (2006) 336

Computational modeling of magnets for electrophysical setups, I.P. Yudin, E.E. Perepelkin, R.V. Polyakova and T.V. Shavrina . 558 (2006) 340

Section 10. Software for Control, Optimization and Simulation Problems

COSY INFINITY Version 9, K. Makino and M. Berz 558 (2006) 346

Recent advances of strong–strong beam–beam simulation, J. Qiang, M.A. Furman, R.D. Ryne, W. Fischer and K. Ohmi 558 (2006) 351

Bmad: A relativistic charged particle simulation library, D. Sagan 558 (2006) 356

Accelerators, Beam Handling and Targets

Flux calculations for the upgrade of the SANS facility at the Petten-reactor, O. Uca, C. Ohms and A.G. Youtsos 558 (2006) 367

High Energy Physics Detectors

Performance of a C_4F_8O gas radiator ring imaging Cherenkov detector using multi-anode photomultiplier tubes, M. Artuso, C. Boulahouache, S. Blusk, J. Butt, O. Dorjkhaidav, N. Menaa, R. Mountain, H. Muramatsu, R. Nandakumar, K. Randrianarivony, R. Sia, T. Skwarnicki, S. Stone, J.C. Wang and K. Zhang 558 (2006) 373

Construction, assembly and tests of the ATLAS electromagnetic barrel calorimeter, B. Aubert, B. Beaugiraud, J. Colas, P. Delebecque, L. Di Ciaccio, M. El Kacimi, P. Ghez, C. Girard, M. Gouanère, D. Goujdami, A. Jeremie, S. Jézéquel, R. Lafaye, N. Massol, P. Perrodo, H. Przysiezniak, G. Sauvage, J. Thion, I. Wingerter-Seez, R. Zitoun, Y. Zolnierowski, R. Alforque, H. Chen, J. Farrell, H. Gordon, R. Grandinetti, R. Hackenburg, A. Hoffmann, J. Kierstead, J. Koehler, F. Lanni, D. Lissauer, H. Ma, D. Makowiecki, T. Muller, S. Norton, V. Radeka, D. Rahm, M. Rehak, S. Rajagopalan, S. Rescia, K. Sexton, J. Sondericker, I. Stumer, H. Takai, A. Belymam, D. Benchekroun, C. Driouichi, A. Hoummada, M. Hakimi, M. Knee, R. Stroynowski, B. Wakeland, V. Datskov, V. Drobin, M. Aleksa, J. Bremer, T. Carli, M. Chalifour, J.L. Chevalley, F. Djama, L. Ema, C. Fabre, P. Fassnacht, F. Gianotti, A. Gonidec, J.B. Hansen, L. Hervas, T. Hott, C. Lacaste, C.P. Marin, P. Pailler, A. Pleskatch, D. Sauvage, G. Vandoni, V. Vuillemin, H. Wilkens, S. Albrand, B. Belhorma, J. Collot, P. de Saintignon, D. Dzahini, A. Ferrari, J. Fulachier, M.L. Gallin-Martel, J.Y. Hostachy, G. Laborie, F. Ledroit-Guillon, P. Martin, J.F. Muraz, F. Ohlsson-Malek, S. Saboumazrag, S. Viret, R. Othegraven, C. Zeitnitz, D. Banfi, L. Carminati, D. Cavalli, M. Citterio, G. Costa, M. Delmastro, M. Fanti, L. Mandelli, M. Mazzanti, F. Tartarelli, E. Augé, S. Baffioni, J. Bonis, W. Bonivento, C. Bourdarios, C. De la Taille, L. Fayard, D. Fournier, G. Guilhem, P. Imbert, L. Iconomidou-Fayard, G. Le Meur, M. Mencik, J.-M. Noppe, G. Parrour, P. Puzo, D. Rousseau, A.-C. Schaffer, N. Seguin-Moreau, L. Serin, G. Unal, J.-J. Veillet, F. Wicek, D. Zerwas, F. Astesan, W. Bertoli, B. Canton, F. Fleuret, D. Imbault, D. Lacour, B. Laforge, P. Schwemling, E.M. Abouelouafa, A. Ben Mansour, R. Cherkaoui, Y. El Mouahhidi, H. Ghazlane, A. Idrissi, K. Bazizi, D. England, V. Glebov, T. Haelen, F. Lobkowicz, P. Slattery, J. Belorgey, N. Besson, M. Boonekamp, D. Durand, J. Ernwein, B. Mansoulié, F. Molinié, J.P. Meyer, P. Perrin, J. Schwindling, J.P. Taguet, H. Zaccone, B. Lund-Jensen, S. Rydström, Y. Tayalati, B. Botchev, G. Finocchiaro, J. Hoffman, R.L. McCarthy, M. Rijssenbeek, J. Steffens, M. Zdrazil and H.M. Braun 558 (2006) 388

Extensive particle identification with TPC and TOF at the STAR experiment, M. Shao, O. Barannikova, X. Dong, Y. Fisyak, L. Ruan, P. Sorensen and Z. Xu 558 (2006) 419

High Energy Physics Systems

Enabling pulse compression and proton acceleration in a modular ICF driver for nuclear and particle physics applications, F. Terranova, S.V. Bulanov, J.L. Collier, H. Kiriyama and F. Pegoraro 558 (2006) 430

Nuclear Spectroscopy

Alpha–electron and alpha–photon coincidences in high-resolution alpha spectrometry, T. Siiskonen and R. Pöllänen 558 (2006) 437

γ-rays >120 keV emitted in the decay of 23.5-min ^{239}U, E.L. Wong and H.C. Griffin 558 (2006) 441

Gamma, X-ray and Charged Particle Detectors

Suppression of afterglow in CsI:Tl by codoping with Eu^{2+}—I: Experimental, C. Brecher, A. Lempicki, S.R. Miller, J. Glodo, E.E. Ovechkina, V. Gaysinskiy, V.V. Nagarkar and R.H. Bartram 558 (2006) 450

Suppression of afterglow in CsI:Tl by codoping with Eu^{2+}—II: Theoretical model, R.H. Bartram, L.A. Kappers, D.S. Hamilton, A. Lempicki, C. Brecher, J. Glodo, V. Gaysinskiy and E.E. Ovechkina 558 (2006) 458

Advances in thick GEM-like gaseous electron multipliers Part II: Low-pressure operation, C.K. Shalem, R. Chechik, A. Breskin, K. Michaeli and N. Ben-Haim 558 (2006) 468

Advances in Thick GEM-like gaseous electron multipliers—Part I: atmospheric pressure operation, C. Shalem, R. Chechik, A. Breskin and K. Michaeli 558 (2006) 475

The influence of rejection of a fraction of the single photoelectron peak in liquid scintillation counting, L. Mo, P. Cassette and C. Baldock 558 (2006) 490

CdZnTe Frisch collar detectors for γ-ray spectroscopy, A. Kargar, A.M. Jones, W.J. McNeil, M.J. Harrison and D.S. McGregor 558 (2006) 497

Pulse shape analysis in segmented detectors as a technique for background reduction in Ge double-beta decay experiments, S.R. Elliott, V.M. Gehman, K. Kazkaz, D.-M. Mei and A.R. Young 558 (2006) 504

Study of electron avalanche multiplication in gaseous argon detectors at low pressure and operating at cryogenic temperature, R. Brunetti, E. Calligarich, M. Cambiaghi, C. De Vecchi, R. Dolfini, A. Menegolli, M. Prata, M.C. Prata, G.L. Raselli, M. Rossella and C. Vignoli 558 (2006) 511

Transition radiation spectra of electrons from 1 to 10 GeV/c in regular and irregular radiators, A. Andronic, H. Appelshäuser, R. Bailhache, C. Baumann, P. Braun-Munzinger, D. Bucher, O. Busch, V. Cătănescu, S. Chernenko, P. Christakoglou, O. Fateev, S. Freuen, C. Garabatos, H. Gottschlag, T. Gunji, H. Hamagaki, N. Herrmann, M. Hoppe, V. Lindenstruth, C. Lippmann, Y. Morino, Yu. Panebratsev, A. Petridis, M. Petrovici, I. Rusanov, A. Sandoval, S. Saito, R. Schicker, H.K. Soltveit, J. Stachel, H. Stelzer, M. Vassiliou, B. Vulpescu, J.P. Wessels, A. Wilk, V. Yurevich and Yu. Zanevsky 558 (2006) 516

Performance of the AMS-02 transition radiation detector, Ph.v. Doetinchem, S. Fopp, W. Karpinski, Th. Kirn, K. Lübelsmeyer, J. Orboeck, S. Schael, A. Schultz von Dratzig, G. Schwering, Th. Siedenburg, R. Siedling, W. Wallraff, U. Becker, J. Burger, R. Henning, A. Kounine, V. Koutsenko and J. Wyatt. 558 (2006) 526

Improved PID method of temperature control for adiabatic demagnetization refrigerators, A. Hoshino, K. Shinozaki, Y. Ishisaki and T. Mihara 558 (2006) 536

Enhancing ^{18}F uptake in a single particle for positron emission particle tracking through modification of solid surface chemistry, X. Fan, D.J. Parker and M.D. Smith. 558 (2006) 542

Neutron Physics and Detectors

Refraction as a means of encoding wavelength for neutron reflectometry, R. Cubitt, H.M. Shimizu, K. Ikeda and N. Torikai. . . 558 (2006) 547

Scintillation characteristics of LiB_3O_5 and β-BaB_2O_4 single crystals, B.P. Nazarenko, V.Yu. Pedash, A.N. Shekhovtsov, V.A. Tarasov and O.V. Zelenskaya. 558 (2006) 551

Electronics

Digital-noise reduction with on-chip/module inductors, M.-O. Dima and K.-H. Becks 558 (2006) 554

Numerical and Data Analysis

Searching for localized cosmic particle sources with an unbinned maximum likelihood approach, T. Neunhöffer and L. Köpke. . 558 (2006) 561

Medical Applications and Dosimetry

An intercomparison between gross α counting and gross β counting for grab-sampling determination of airborne radon progeny and thoron progeny, Z. Papp 558 (2006) 569

An optical common-mode rejection for improving the sensitivity limit of a radiochromic imaging film, H. Ohuchi and K. Abe . . 558 (2006) 576

Letter to the Editor

On a cryogenic noble gas ion catcher, P. Dendooven, S. Purushothaman and K. Gloos 558 (2006) 580

Technical Note

Some thoughts regarding a method to measure the length of femto-second X-ray pulses, V. Ziemann 558 (2006) 584